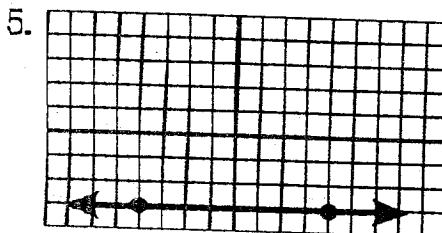
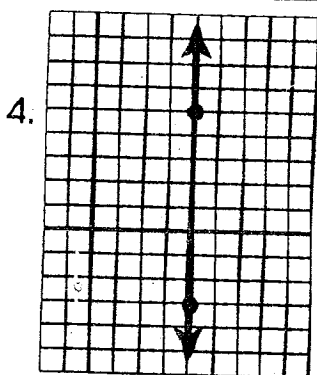
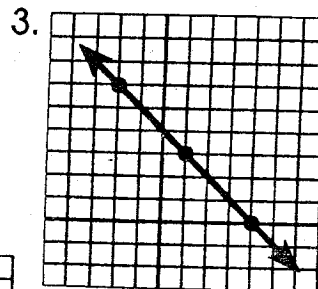
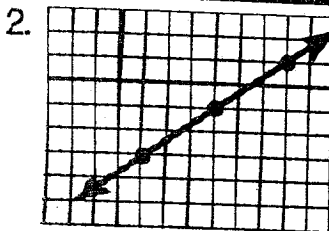
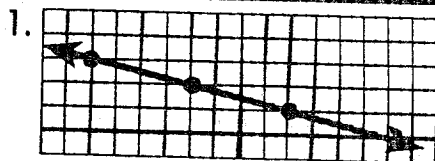
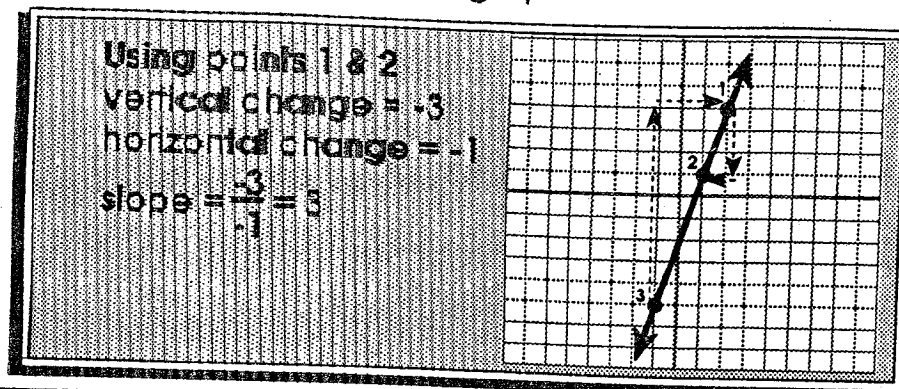


# Linear Equations and Inequalities

## Finding the Slope of a Line

I. Slope =  $\frac{\text{vertical change}}{\text{horizontal change}}$

Identify the slope of the line using the graph.



II. Slope =  $\frac{\text{change in y-values}}{\text{change in x-values}} = \frac{y_2 - y_1}{x_2 - x_1}$

Find the slope of the line passing through the given points.

$(-1, 5) (3, -2)$   
 slope =  $\frac{-2 - 5}{3 - (-1)} = \frac{-7}{4}$

6.  $(0, 0) (3, 5)$

7.  $(5, -2) (-7, 4)$

8.  $(-6, 3) (-2, -9)$

9.  $(6, -9) (-4, 3)$

10.  $(-3, -11) (2, -7)$

11.  $(7, 3) (-8, 3)$

12.  $(0, 0) (4, -3)$

13.  $(-2, -3) (2, 5)$

14.  $(-4, 8) (-4, -3)$